

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO.: ML-45171	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: Gasco Production Company		9. WELL NAME and NUMBER: Desert Springs State #14-36-9-18	
3. ADDRESS OF OPERATOR: 8 Inverness Drive East, Suite 100, Englewood, CO 80112		PHONE NUMBER: 303/483-0044	10. FIELD AND POOL, OR WILDCAT: Riverbend
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 598230 X 501' FSL and 465' FWL AT PROPOSED PRODUCING ZONE: SW SW 4426124 Y		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Section 36, T9S - R18E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 26.1 miles southeast of Myton, UT		12. COUNTY: Uintah	13. STATE: UT
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 465'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 Acres: SW SW	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 2000'	19. PROPOSED DEPTH: 12,660'	20. BOND DESCRIPTION: Statewide Bond No. 4127763	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5040' GL	22. APPROXIMATE DATE WORK WILL START: ASAP	23. ESTIMATED DURATION: 35 Days	

24. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8", H-40, 48#	200'	200 sx Premium Type 5, 15.6 ppg, 1.18 yield
12-1/4"	8-5/8", J-55, 32#	3,483'	581 sx Hi-Lift @ 11.0 ppg, 3.91 yield & 185 sx 10-2 RFC @ 14.2 ppg, 1.63 yield
7-7/8"	4-1/2", P-110, 13.5#	12,660'	523 sx Hi-Lift @ 11.5 ppg, 3.05 yield & 1250 sx 50/50 Poz @ 14.1 ppg, 1.28 yield

25. ATTACHMENTS	
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:	
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

AGENT: PermitCo Inc.		AGENT'S PHONE NO.: 303/857-9999	
NAME (PLEASE PRINT) Venessa Langmacher		TITLE Agent for Gasco Production Company	
SIGNATURE <i>Venessa Langmacher</i>		DATE April 21, 2006	
(This space for State use only)			

API NUMBER ASSIGNED: 143047-38030

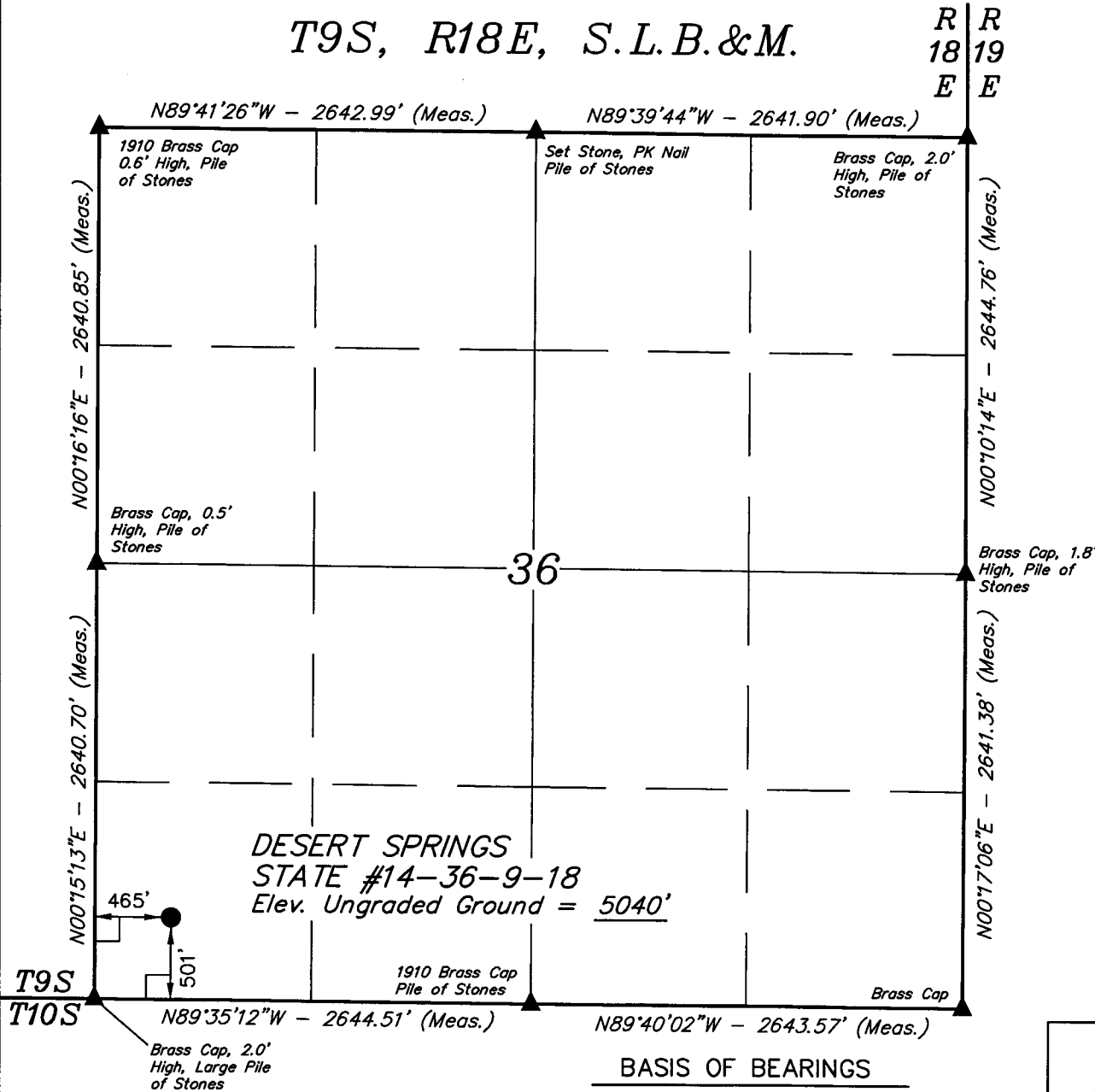
APPROVAL:

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APR 24 2006

T9S, R18E, S.L.B.&M.

*R 18
E*

*R 19
E*

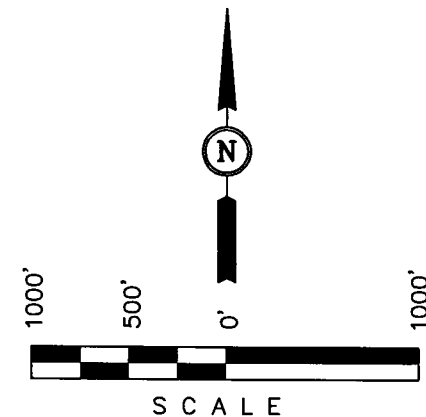


GASCO PRODUCTION COMPANY

Well location, DESERT SPRINGS STATE #14-36-9-18, located as shown in the SW 1/4 SW 1/4 of Section 36, T9S, R18E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 36, T9S, R18E, S.L.B.&M. TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4838 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert H. Gray
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(AUTONOMOUS NAD 83)
LATITUDE = 39°58'53.57" (39.981547)
LONGITUDE = 109°50'59.19" (109.849775)
(AUTONOMOUS NAD 27)
LATITUDE = 39°58'53.70" (39.981583)
LONGITUDE = 109°50'56.67" (109.849075)

LEGEND:

- └─ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-01-06	DATE DRAWN: 02-27-06
PARTY J.F. C.B. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE GASCO PRODUCTION COMPANY	



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

April 21, 2006

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Attn: Diana Whitney

Re: Gasco Production Company
Desert Spring State #14-36-9-18
501' FSL and 465' FWL
SW SW Section 36, T9S - R18E
Uintah County, Utah

Dear Diana,

Enclosed please find two copies of the Application for Permit to Drill, along with the required drilling program, BOP diagram, wellsite maps and diagrams.

Please have your Roosevelt office contact Shawn Elworthy (435/823-4272) to conduct the onsite inspection for this well.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacher
Consultant for
Gasco Production Company

Enc.

cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Roosevelt, UT
Utah Division of Oil, Gas & Mining - Roosevelt, UT
Utah Division of State Lands - SLC, UT

RECEIVED

APR 24 2006

DIV. OF OIL, GAS & MINING

CONFIDENTIAL TIGHT-HOLE

Desert Spring State #14-36-9-18
501' FSL and 465' FWL
SW SW Section 36, T9S - R18E
Uintah County, Utah

Prepared For:

Gasco Production Company

By:

PERMITCO INC.
14421 County Road 10
Fort Lupton, CO 80621
303/857-9999

Copies Sent To:

- 1 - Utah Division of Oil, Gas & Mining - SLC, UT**
- 1 - Utah Division of State Lands - SLC, UT**
- 1 - Utah Division of Oil, Gas & Mining - Roosevelt, UT**
- 2 - Gasco Production Company - Englewood, CO**
- 1 - Shawn Elworthy - Roosevelt, UT**



The proposed wellsite is located on State Surface/State Minerals.

1. Estimated Tops/Geologic Markers

The estimated tops of important geologic markers are as follows:

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Wasatch	5,150'	-95'
Mesaverde	9,050'	-3,995'
Castlegate	11,450'	-6,395'
Blackhawk	11,685'	-6,630'
Spring Canyon	12,360'	-7,305'
TD	12,660'	-7,605'

2. Estimated Depths and Names of Anticipated Water, Oil, Gas or Other Minerals Bearing Formations.

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Gas	Wasatch	5,500' - 9,050'
Gas	Mesaverde	9,050' - 11,450'
Gas	Blackhawk	11,685' - 12,560'

3. Well Control Equipment & Testing Procedures

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double, 5000 psi w.p.

Gasco will comply with all requirements pertaining to well control as listed in the Rule R649-3-7 of the Utah Division of Oil, Gas & Mining.

The size and rating of the BOP stack is shown on the attached diagram.



4. Casing Program

The proposed casing program will be as follows:

<i>Purpose</i>	<i>Depth</i>	<i>Hole Size</i>	<i>O.D.</i>	<i>Weight</i>	<i>Grade</i>	<i>Type</i>	<i>New/Used</i>
Conductor	0-200'	17-1/2"	13-3/8"	48#	H-40	---	New
Surface	0-3,483'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-12,660'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

Casing design subject to revision based on geologic conditions encountered.

5. Cement Program

<i>Surface</i>	<i>Type and Amount</i>
Conductor	200 sx Premium Type 5, 15.6 ppg, 1.18 yield
<i>Intermediate</i>	<i>Type and Amount</i>
TOC - Surface	Lead: 581 sx Hi-Lift, 11 ppg, 3.91 yield Tail: 185 sx 10-2 RFC, 14.2 ppg, 1.63 yield
<i>Production</i>	<i>Type and Amount</i>
TOC - 2,500'	Lead: 523 sx Hi-Lift, 11.5 ppg, 3.05 yield. Tail: 1250 sx 50/50 Poz @ 14.1 ppg, 1.28 yield.

6. Drilling Fluids

The proposed circulating mediums to be employed in drilling are as follows:

<i>Interval</i>	<i>Mud Type</i>	<i>Mud Wt.</i>	<i>Visc.</i>	<i>F/L</i>	<i>PH</i>
0 - 200'	Fresh Water	8.33	1	---	7
200' - 3,483'	Fresh Water	8.33	1	---	7-8
3,483' - T.D.	Fresh Water & DAP	9.0-11.5	30-40	12-20	8



7. Testing, Logging and Coring

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated.
- b. The logging program will consist of a Schlumberger Platform Express or equivalent to be run from Base of Surface Casing to TD.
- c. No cores are anticipated.

8. Anticipated Pressures and H₂S

- a. No H₂S is expected. The maximum anticipated bottom hole pressure is 7090 psi. The maximum bottom hole temperature is 215 degrees Fahrenheit.

9. Water Source

- a. All water used for the drilling of this well will be purchased from the Nebecker Water Station in Myton, UT. Permit No. 43-1721.

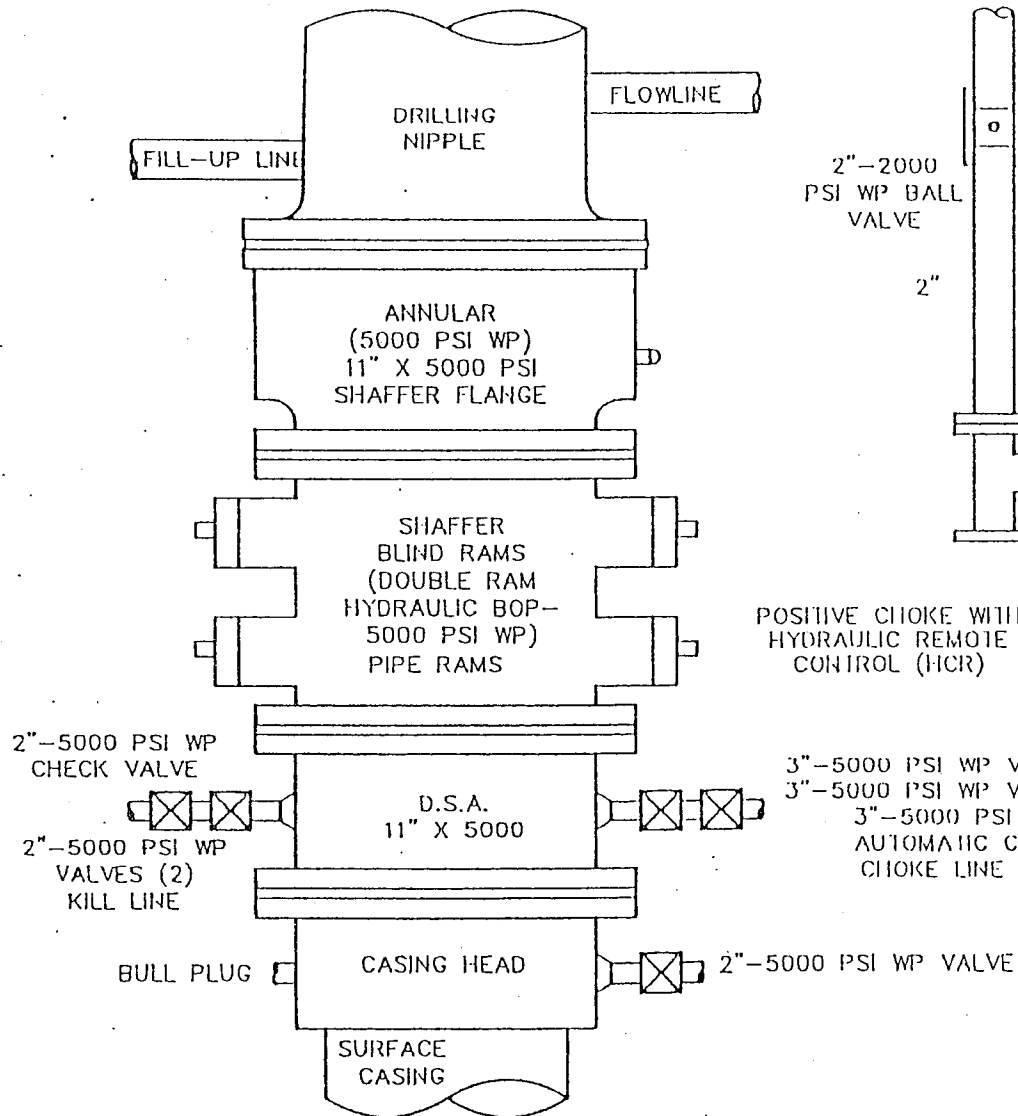
10. Other Information

- a. Drilling is planned to commence immediately upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 35 days.
- c. Lining of the reserve pit will be done if deemed necessary by the Utah Division of Oil, Gas and Mining.
- d. At the end of drilling operations the location will be reclaimed and re-seeded as requested by the State of Utah.
- e. Surface Ownership

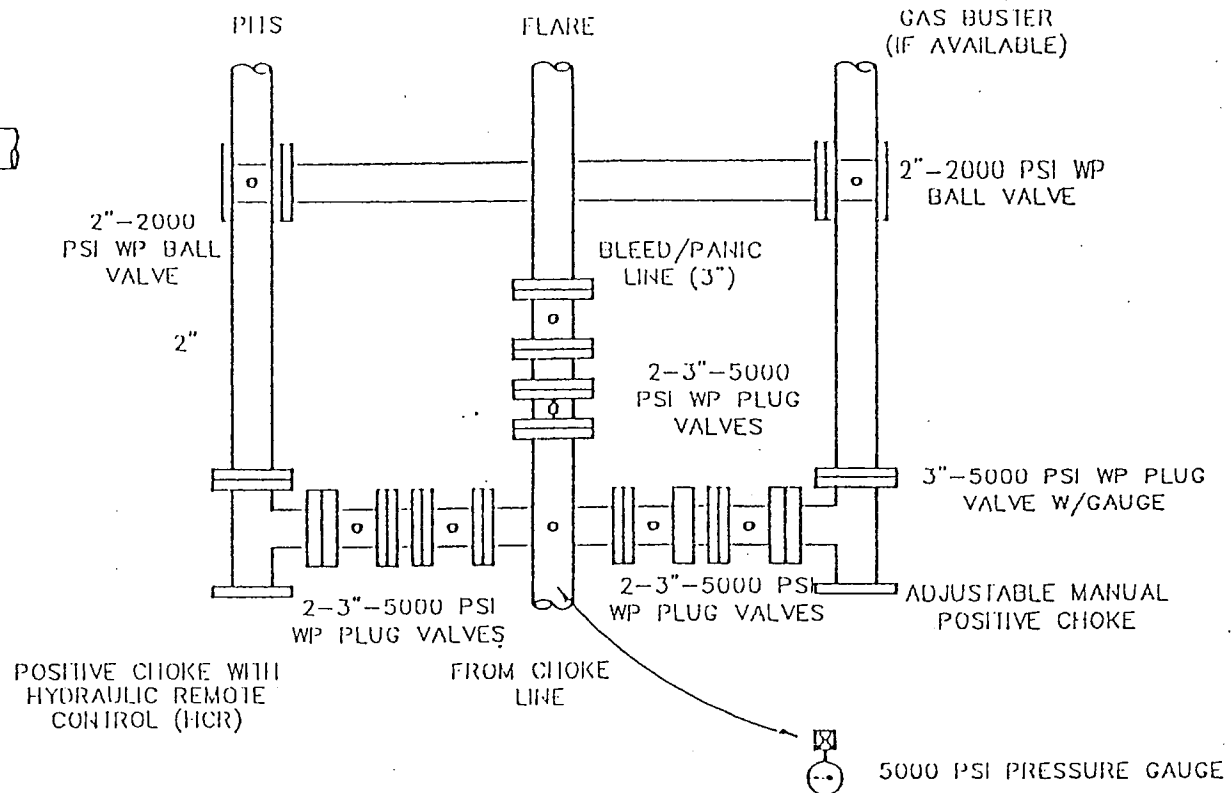
State of Utah



BOP SCHEMATIC
5000 PSI WORKING PRESSURE



PLAN VIEW CHIOKE MANIFOLD



THE HYDRAULIC CLOSING UNIT WILL BE LOCATED MORE THAN 30' FROM THE WELLHEAD. CHIOKE AND BLEED/PANIC LINES WILL GO TO THE PIT AND FLARE. ALL CONNECTIONS IN CHIOKE LINES AND MANIFOLD WILL BE FLANGED OR WELDED. ALL FLANGES SHOULD BE RING JOINT GASKET TYPE. ALL TURNS IN LINES SHALL BE CONSTRUCTED USING TARGETING 90° TEES OR ELLS. ALL LINES SHALL BE ANCHORED.

GASCO PRODUCTION COMPANY
DESERT SPRING STATE #14-36-9-18
LOCATED IN UINTAH COUNTY, UTAH
SECTION 36, T9S, R18E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW OF LOCATION

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

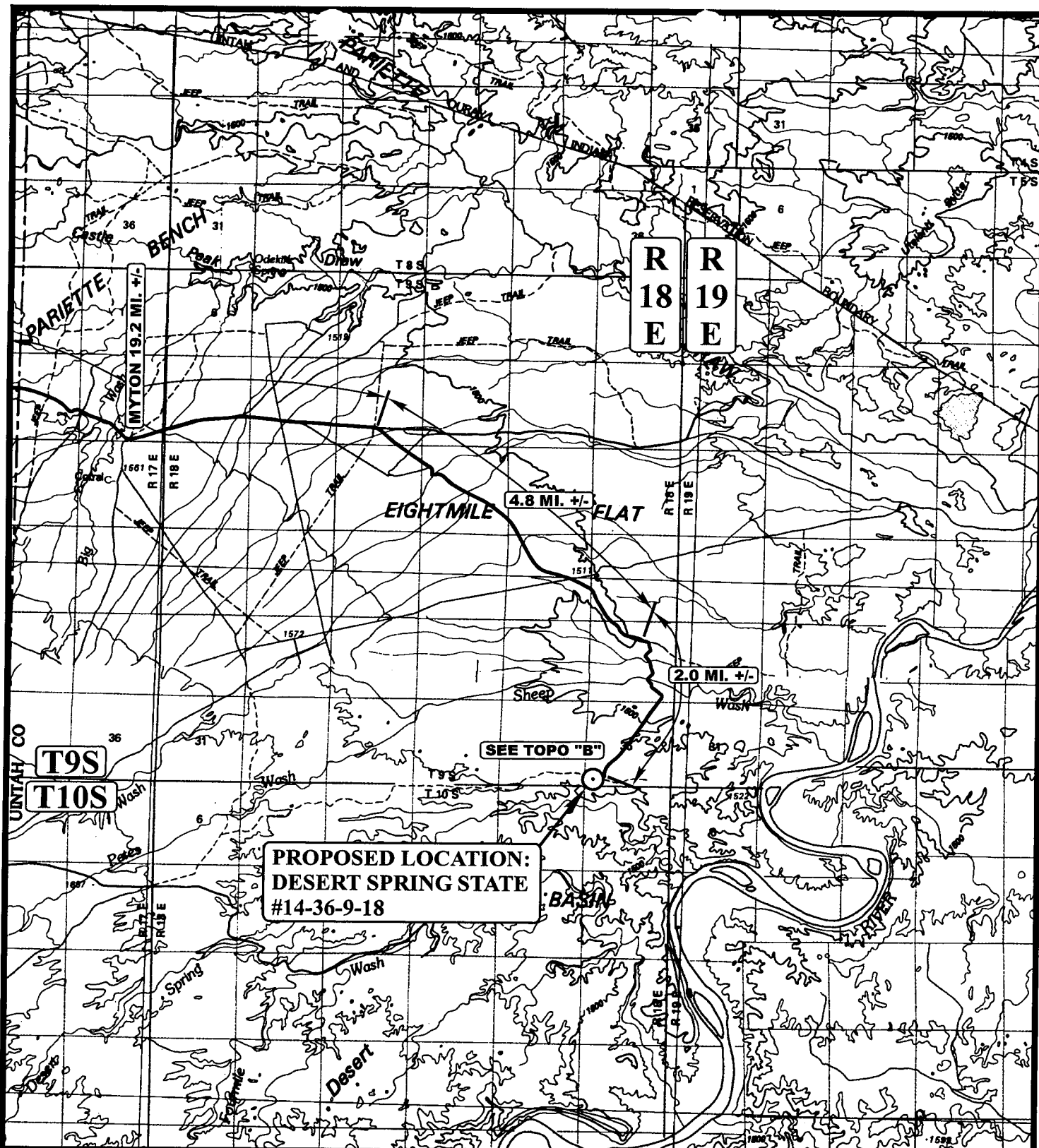
03 08 06
MONTH DAY YEAR

PHOTO

TAKEN BY: J.F.

DRAWN BY: B.C.

REVISED: 00-00-00



**PROPOSED LOCATION:
DESERT SPRING STATE
#14-36-9-18**

LEGEND:

○ PROPOSED LOCATION

N

GASCO PRODUCTION COMPANY

**DESERT SPRING STATE #14-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
501' FSL 465' FWL**



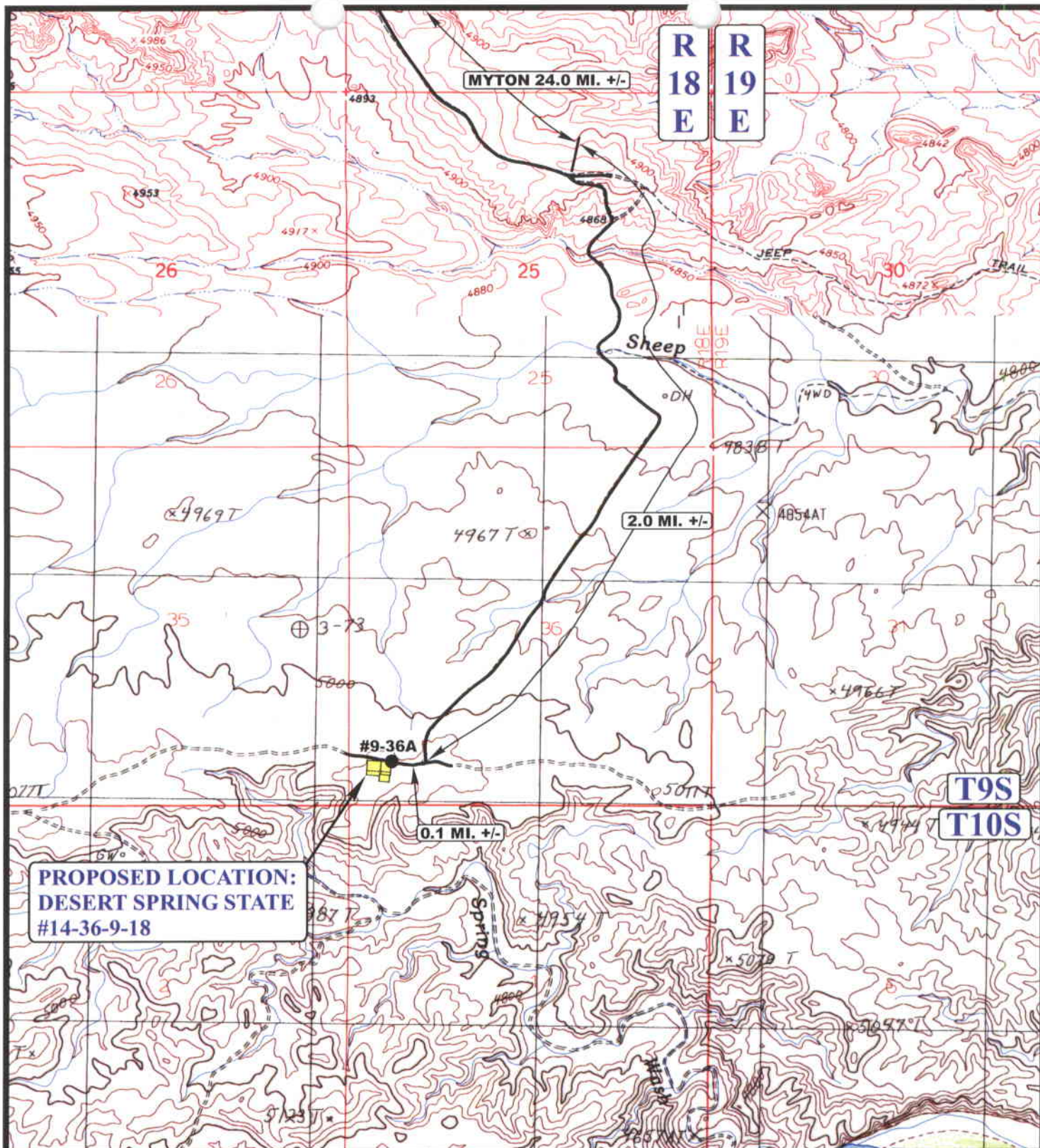
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

03 08 06
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: B.C. REVISED: 00-00-00





**PROPOSED LOCATION:
DESERT SPRING STATE
#14-36-9-18**

LEGEND:

— EXISTING ROAD
- - - PROPOSED ACCESS ROAD

GASCO PRODUCTION COMPANY

**DESERT SPRING STATE #14-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
501' FSL 465' FWL**



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**TOPOGRAPHIC
MAP**

03 08 06
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: B.C. REVISED: 00-00-00



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,050' +/-

 PROPOSED ACCESS ROAD
 EXISTING PIPELINE
 **PROPOSED PIPELINE**



DESERT SPRING STATE #14-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
501' FSL 465' FWL



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TOPOGRAPHIC MAP

03 08 06
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: B.C.

REVISÉ: 00-00-00



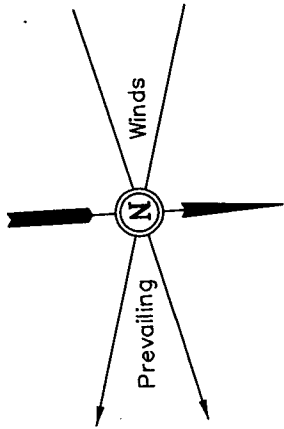
ASCO PRODUCTION COMPA.

LOCATION LAYOUT FOR

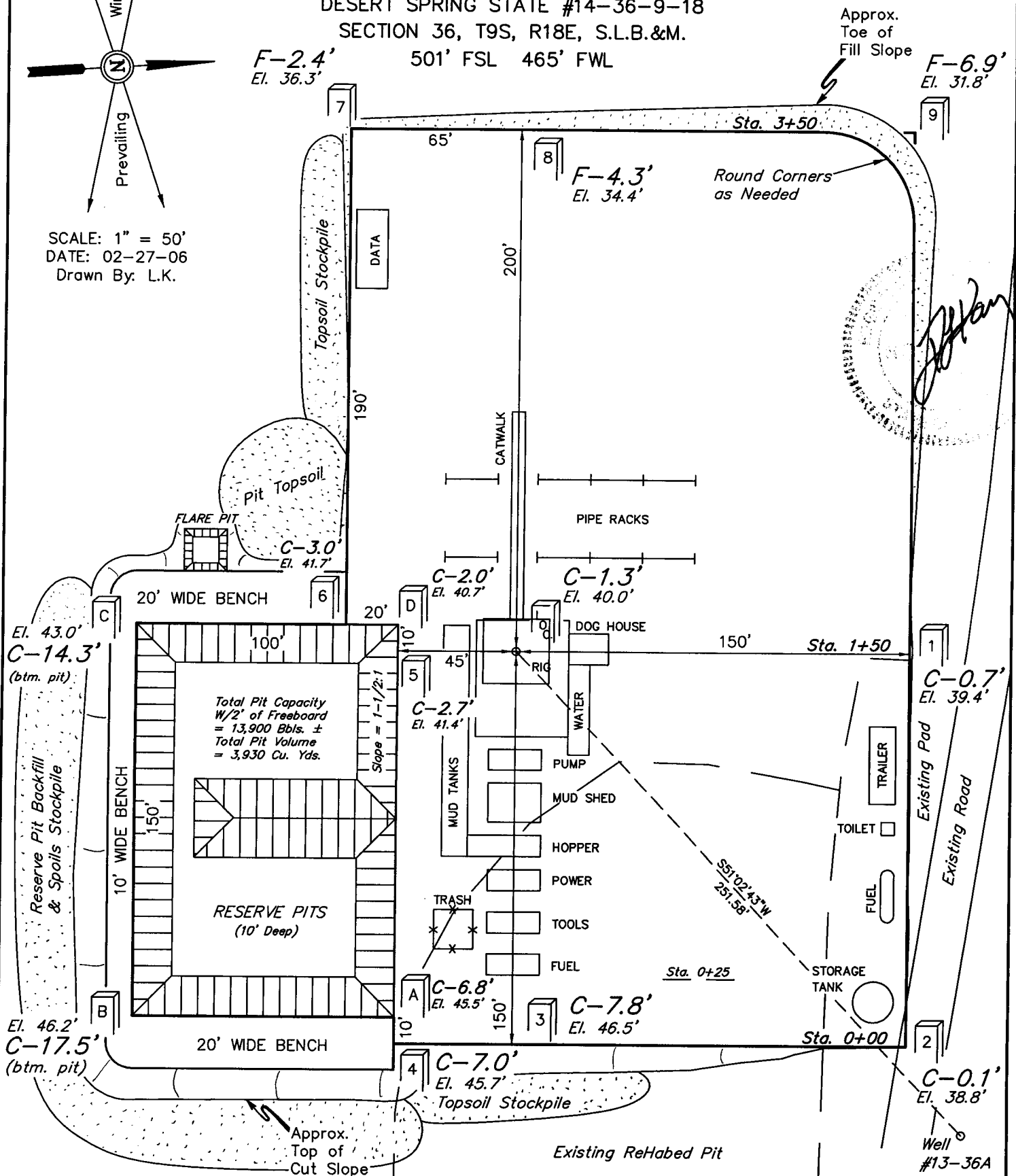
DESERT SPRING STATE #14-36-9-18

SECTION 36, T9S, R18E, S.L.B.&M.

501' FSL 465' FWL



SCALE: 1" = 50'
DATE: 02-27-06
Drawn By: L.K.



Elev. Ungraded Ground at Location Stake = 5040.0'
Elev. Graded Ground at Location Stake = 5038.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

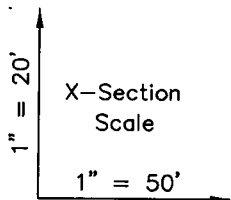
ASCO PRODUCTION COMPAI

TYPICAL CROSS SECTIONS FOR

DESERT SPRING STATE #14-36-9-18

SECTION 36, T9S, R18E, S.L.B.&M.

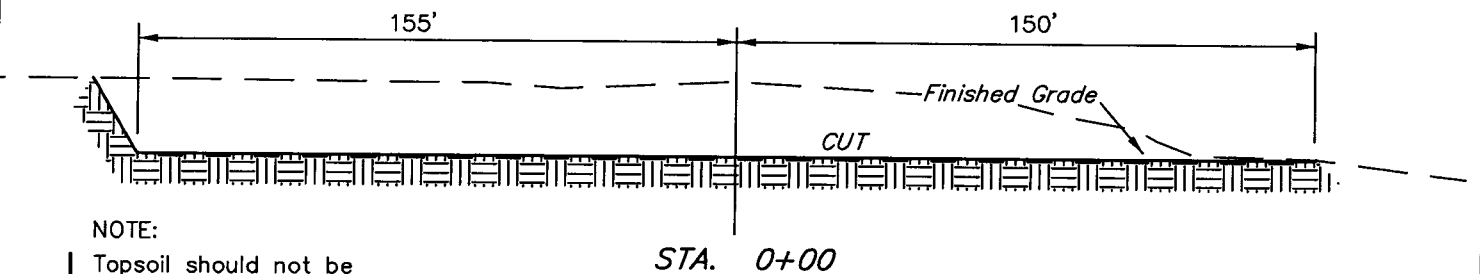
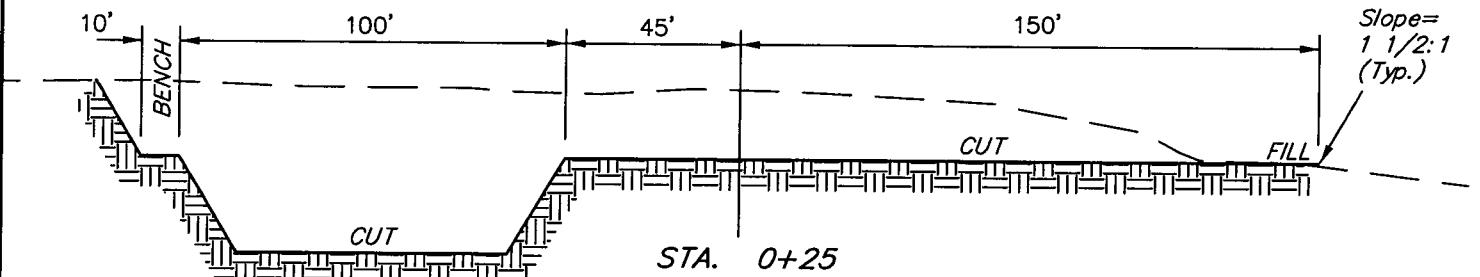
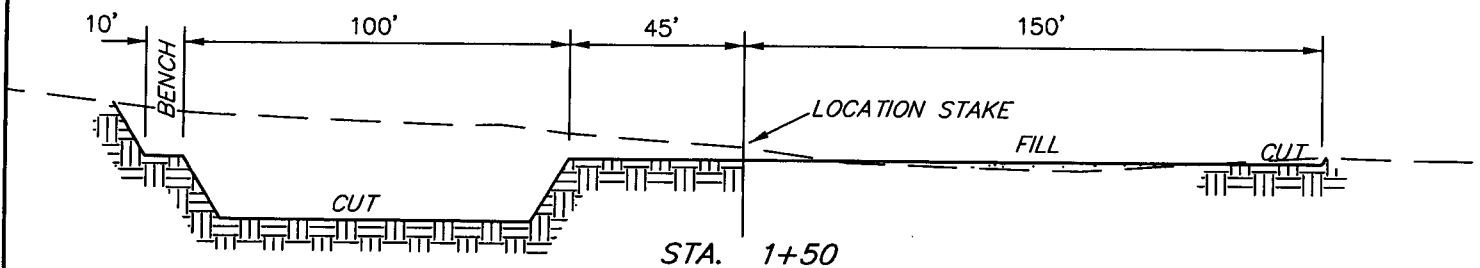
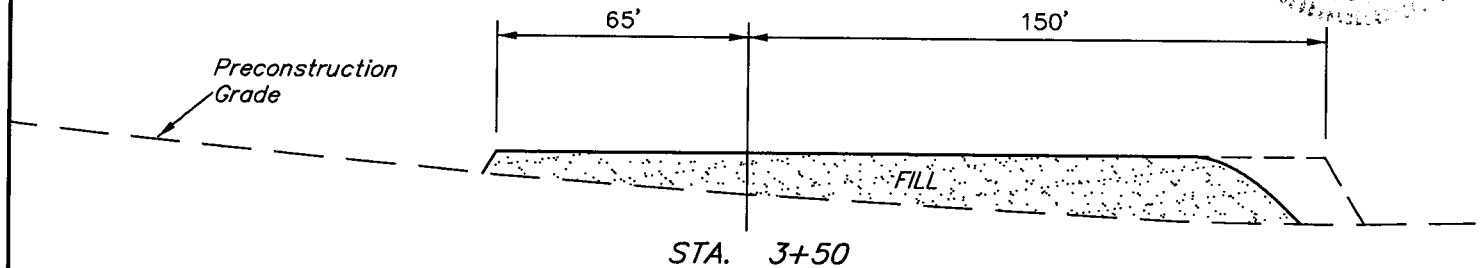
501' FSL 465' FWL



DATE: 02-27-06

Drawn By: L.K.

[Handwritten Signature]



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,920 Cu. Yds.

Remaining Location = 11,810 Cu. Yds.

TOTAL CUT = 13,730 CU.YDS.

FILL = 5,510 CU.YDS.

EXCESS MATERIAL = 8,220 Cu. Yds.

Topsoil & Pit Backfill = 3,890 Cu. Yds.
(1/2 Pit Vol.)

EXCESS UNBALANCE = 4,330 Cu. Yds.
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017